

1

2

3

4

5

6

7

8

1 reproduction of plant and fruit characteristics were true to the original
2 plant in all respects. The reproduction of the variety included the use
3 of 'Colt' (unpatented) rootstock upon which the present variety was
4 compatible and true to type.

5 The present variety is most similar to the 'Tulare' (United States
6 Plant Patent Number 6,407) cherry by blooming at the same time and by
7 producing cherries that are medium to large in size, firm in texture,
8 dark red in skin color, red in flesh color, and sweet in flavor, but is
9 distinguished therefrom and an improvement thereon by producing cherries
10 that are somewhat oblate in shape rather than heart shaped and by being a
11 pollinator for both the 'Glenred' (United States Plant Patent Number
12 12,859) and the 'Tulare'.

13 SUMMARY OF VARIETY

14 In summary, the present variety is characterized by a large size,
15 vigorous, hardy, self-sterile, productive and regular bearing tree. The
16 fruit matures under the ecological conditions described in the latter
17 part of May, with first picking on May 21, 2003. The fruit is uniformly
18 medium to large in size, very sweet in flavor, oblate in shape,
19 clingstone in type, firm in texture, red in flesh color, and dark red
20 over the entire surface in skin color.

21 DRAWING

22 The accompanying photograph displays four fruits with the stems
23 attached, several whole fruits detached from the stems to exhibit the
24 skin color and form, two fruits sectioned along different planes to

1 reveal the flesh and fibers, and several leaves, all typical of the
2 subject variety.

3 POMOLOGICAL CHARACTERISTICS

4 Referring now more specifically to the pomological
5 characteristics of this new and distinct variety of cherry tree, the
6 following has been observed under the ecological conditions prevailing
7 near Le Grand, Merced County (San Joaquin Valley), California, at the
8 state of firm ripe on May 25, 2003, on the original tree during the
9 twelfth growing season. All major color code designations are by
10 reference to the Inter-Society Color Council, National Bureau of
11 Standards. Common color names are also used occasionally.

12 Tree

13 Size: Large, reaching a height of 18' [5.49 m.] and a spread of 13'
14 [3.96 m.] after twelve growing seasons on its own root.

15 Vigor: Vigorous, responding typically to irrigation and fertilization.

16 The plant should be grown on a standard commercial rootstock
17 for production purposes.

18 Growth: Upright.

19 Form: A natural tendency to generate a central leader system if
20 unpruned, but a vase shape may be obtained by pruning.

21 Branch Angle Range: 40 to 60 degrees.

22 Hardiness: Hardy with respect to central California winters.

23 Heat Tolerance: Observed to perform adequately in typical central
24 California climatic conditions, which typically include
25 extended periods of heat.

1 Drought Tolerance: Variety is developed for commercial orchards and
2 requires regular irrigation.

3 Production: Productive.

4 Fertility: Self-sterile, must be cross pollinated by another early
5 blooming cherry variety, such as 'Tulare' or 'Sequoia'.

6 Bearing: Regular bearer with no alternate bearing yet observed.

7 Trunk:

8 *Size.-* Medium, with a maximum diameter of 7 1/2" [191 mm.]
9 after the twelfth growing season.

10 *Texture.-* Shaggy.

11 *Bark Color.-* Grayish brown [61. gy.Br].

12 *Lenticels.-* Approximate Number Per Square Inch: 6.

13 *Color:* Moderate brown [58. m.Br].

14 *Typical Size:* 1/4" to 5/8" [6.4 - 15.9 mm.].

15 Branches:

16 *Main Scaffold Diameter. -* 3 3/4" [95 mm.] measured 12"
17 above the crotch.

18 *Limb Diameter. -* 1 5/8" [41 mm.] measured 12" above the first
19 fork.

20 *Texture.-* Smooth on 1st year wood, increasing roughness
21 with age.

22 *Color.-* 1st Year Wood Topside: Grayish red [19. gy.R].

23 1st Year Wood Underside: Brilliant yellow green
24 [116. brill.YG].

25 *Older Wood:* Dark grayish brown [62. d.gy.Br].

1 Lenticels.- Approximate Number Per Square Inch: 12.
2 Color: Moderate brown [58. m.Br].
3 Typical size: 1/8" to 3/8" [3.2 - 9.5 mm.].
4 Leaves: Size.- Large.
5 Average Length: 5" [127 mm.].
6 Average Width: 2 1/16" [52.4 mm.].
7 Arrangement.- Alternate.
8 Thickness.- Medium.
9 Form.- Elliptical.
10 Apex.- Acuminate.
11 Base.- Acute to rounded.
12 Surface.- Smooth.
13 Color.- Dorsal Surface: Moderate olive green [125. m.OlG] to
14 Dark yellowish green [137. d.yG].
15 Ventral Surface: Moderate yellow green [120. m.YG].
16 Margin.- Finely serrate.
17 Venation.- Pinnately net veined.
18 Vein Color.- Light yellow green [119. l.YG].
19 Petiole.- Average Length: 1 3/8" [34.9 mm.].
20 Average Thickness: 1 1/16" [27.0 mm.].
21 Color: Very dark purplish red [260. v.d.pR] topside
22 blending to Light yellow green [119. l.YG]
23 underside.
24 Stipules.- Number: 2 long and up to 6 shorter per leaf.
25 Average Length: 1/2" [12.7 mm.].

1 Color: Pale yellow green [121. p.YG] becoming
2 Light reddish brown [42. l.rBr] when
3 old and dry.
4 *Glands.*- Number: 2 per leaf.
5 Position: On petiole.
6 Size: Large.
7 Form: Oval to reniform.
8 Color: Dark red [16. d.R] edges and Grayish reddish
9 orange [39. gy.rO] centers.
10 *Leaf Buds.*- Pointed, conic.
11 Flower Buds:
12 *Hardiness.*- Hardy, with respect to central California winters.
13 *Diameter.*- Typically 5/16" [7.9 mm.] right before bloom.
14 *Length.*- Typically 5/8" [15.9 mm.] right before bloom.
15 *Form.*- Free.
16 *Surface.*- Smooth.
17 *Color.*- White [263. white].
18 Flowers: Perfect, complete, perigynous, usually a single pistil,
19 typically twenty or more stamens, five sepals and petal
20 locations alternately positioned.
21 *Average Flower Diameter.*- 1 3/16 [30.2 mm.].
22 *Number of Petals.*- Usually five.
23 *Petal Shape.*- Circular to oval.
24 *Petal Margin.*- Somewhat wavy.
25 *Average Petal Diameter.*- 9/16" [14.3 mm.].

1 Average Petal Length.- 9/16" [14.3 mm.].
2 Petal Apex.- Rounded.
3 Petal Base.- Rounded to slightly cuneate.
4 Petal Color.- White [263. white].
5 Anther Color.- Light yellow [86. 1.Y].
6 Stigma Color.- Light yellow green [119. 1.YG].
7 Sepal Color.- Grayish purplish red [262. gy.pR].
8 Sepal Length.- 1/4" [6 mm.].
9 Sepal Width.- 5/32" [4 mm.].
10 Average Pistil Length.- 1/2" [12.7 mm.].
11 Average Stamen Length.- 9/16" [14.3 mm.].
12 Fragrance.- Moderate.
13 Blooming Period.- Early compared with other varieties.
14 Onset of Bloom.- Five percent on March 17, 2003, with
15 'Tulare'.
16 Date of Full Bloom.- March 25, 2003.
17 Duration of Bloom.- Five to ten days, dependent on ambient
18 temperature.
19 Number per cluster.- Usually 2 to 5.

20 **FRUIT**

21 Maturity When Described: Firm ripe, May 25, 2003.
22 Date of First Picking: May 21, 2003.
23 Date of Last Picking: May 29, 2003.
24 Size: Uniform, medium to large.
25 Average Diameter Axially.- 15/16" [23.8 mm.].

1 Average Cheek Diameter.- 1 1/16" [27.0 mm.].
2 Average Diameter Across Suture Plane.- 15/16" [23.8 mm.].
3 Typical Weight.- 0.32 ounces [9.2 grams].
4 Form: Uniform, symmetrical, compressed axially and around suture.
5 Cheek Plane Form.- Oblate.
6 Suture Plane Form.- Oval.
7 Axial View Form.- Elliptical.
8 Suture: An inconspicuous Blackish red [21. blackish R] line located from
9 stem cavity to apex.
10 Ventral Surface: Rounded.
11 Lips: Equal.
12 Stem Cavity: Flaring, circular, suture showing on one side.
13 Depth.- 3/16" [4.8 mm.].
14 Breadth.- 1/2" [12.7 mm.].
15 Base: Rounded to cordate.
16 Apex: Rounded.
17 Pistil Point: An inconspicuous Yellowish gray [93. yGy] dot depressed
18 within the suture.
19 Stem: Medium.
20 Average Length.- 1 1/2" [38.1 mm.].
21 Average Width.- 1/16" [1.6 mm.].
22 Color.- Brilliant yellow green [116. brill.YG] with some Grayish
23 red [19. gy.R] tinting from sunlight.
24 Attachment.- Strong.
25 Skin:

1 *Thickness.-* Medium.
2 *Surface.-* Smooth.
3 *Tenacity.-* Tenacious to flesh.
4 *Astringency.-* Slightly astringent.
5 *Tendency to Crack.-* Slight, none observed in wet season.
6 *Color.-* Very dark red [17. v.d.R] to Dark red
7 [16. d.R] over the entire surface.
8 Flesh: *Color.-* Deep red [13. deep R] toward stone to Pale yellowish pink
9 [31. p.yPk] with Pale yellow [89. p.Y].
10 *Surface of Pit Cavity.-* Very deep red [14. v.deep R] fibers
11 breaking when twisted from the stone.
12 *Amygdalin.-* Moderate.
13 *Juice.-* Abundant, rich.
14 *Juice Color.-* Moderate red [15. m.R].
15 *Texture.-* Firm, crisp.
16 *Fibers.-* Abundant.
17 *Ripens.-* Earliest at apex and shoulder.
18 *Flavor.-* Delicious blend of acid and sugar, 22 brix.
19 *Aroma.-* Slight.
20 *Eating Quality.-* Very good.
21 STONE
22 Type: Clingstone.
23 Form: Obovoid.
24 External Color: Light yellowish brown [76. l.yBr].
25 Pit Wall Color When Cracked: Pale orange yellow [73. p.OY].

1 36° Fahrenheit [2° Celsius].

2 Shipping Quality: Good.

3 Resistance To Insects: No unusual susceptibilities noted.

4 Resistance To Diseases: No unusual susceptibilities noted.

5

6 Other Notes

7 Although the new variety of cherry tree possesses the described
8 characteristics under the ecological conditions at Le Grand, California,
9 in the central part of the San Joaquin Valley, it is to be expected that
10 variations in these characteristics may occur when farmed in areas with
11 different climatic conditions, different soil types, and/or varying
12 cultural practices.

13

14

15

16

17

18

19

20

21

22

23

24

25

26